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## PATENT COOPERATION TREATY

PCT

## NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

United States Patent and Trademark  
Office  
(Box PCT)  
Crystal Plaza 2  
Washington, DC 20231  
ÉTATS-UNIS D'AMÉRIQUE

in its capacity as elected Office

<b>Date of mailing (day/month/year)</b> 05 May 1999 (05.05.99)	<b>Applicant's or agent's file reference</b> Case 617 PCT
<b>International application No.</b> PCT/SE98/01349	<b>Priority date (day/month/year)</b> 29 August 1997 (29.08.97)
<b>International filing date (day/month/year)</b> 08 July 1998 (08.07.98)	
<b>Applicant</b> HYLLANDER, Klas et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:

26 March 1999 (26.03.99)

☐ in a notice effecting later election filed with the International Bureau on:2. The election ☒ was☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

<b>The International Bureau of WIPO</b> 34, chemin des Colombettes 1211 Geneva 20, Switzerland	<b>Authorized officer</b>  F. Baechler
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

PCT

NOTICE INFORMING THE APPLICANT OF THE  
COMMUNICATION OF THE INTERNATIONAL  
APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

From the INTERNATIONAL BUREAU

To:

PRAGSTEN, Rolf  
Telia Research AB  
Corporate Patent Dept.  
Vitsandsgatan 9  
S-123 86 Farsta  
SUÈDEInkom Kgp  
Telia Research AB

1999-03-19

Date of mailing (day/month/year) 11 March 1999 (11.03.99)		
Applicant's or agent's file reference Case 617 PCT		IMPORTANT NOTICE
International application No. PCT/SE98/01349	International filing date (day/month/year) 08 July 1998 (08.07.98)	
		Priority date (day/month/year) 29 August 1997 (29.08.97)
Applicant TELIA AB (publ) et al		

1. Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this Notice:  
EP,JP,US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present Notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:  
EE,LT,LV,NO

The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this Notice is a copy of the international application as published by the International Bureau on 11 March 1999 (11.03.99) under No. WO 99/12365

**REMINDER REGARDING CHAPTER II (Article 31(2)(a) and Rule 54.2)**

If the applicant wishes to postpone entry into the national phase until 30 months (or later in some Offices) from the priority date, a demand for international preliminary examination must be filed with the competent International Preliminary Examining Authority before the expiration of 19 months from the priority date.

It is the applicant's sole responsibility to monitor the 19-month time limit.

Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination.

**REMINDER REGARDING ENTRY INTO THE NATIONAL PHASE (Article 22 or 39(1))**

If the applicant wishes to proceed with the international application in the national phase, he must, within 20 months or 30 months, or later in some Offices, perform the acts referred to therein before each designated or elected Office.

For further important information on the time limits and acts to be performed for entering the national phase, see the Annex to Form PCT/IB/301 (Notification of Receipt of Record Copy) and Volume II of the PCT Applicant's Guide.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. (41-22) 740.14.35	Authorized officer J. Zahra Telephone No. (41-22) 338.83.38
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## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference Case 617 PCT	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/SE98/01349	International filing date ( <i>day/month/year</i> ) 08.07.1998	Priority date ( <i>day/month/year</i> ) 29.08.1997
International Patent Classification (IPC) or national classification and IPC <sub>6</sub> H 04 Q 7/22, H 04 L 29/06, H 04 M 7/12 // H 04 M 3/50		
Applicant Telia AB (publ) et al		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of \_\_\_\_\_ sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand  26.03.1999	Date of completion of this report  25.10.1999
Name and mailing address of the IPEA/SE Patent- och registreringsverket Box 5055 S-102 42 STOCKHOLM Facsimile No. 08-667 72 88	Authorized officer  Michel Gascoin/cs Telephone No. 08-782 25 00

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/SE98/01349

## I. Basis of the report

1. This report has been drawn on the basis of *(Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.)*:

- ☒ the international application as originally filed.
- ☐ the description, pages \_\_\_\_\_, as originally filed,  
pages \_\_\_\_\_, filed with the demand,  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_,  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_.
- ☐ the claims, Nos. \_\_\_\_\_, as originally filed,  
Nos. \_\_\_\_\_, as amended under Article 19,  
Nos. \_\_\_\_\_, filed with the demand,  
Nos. \_\_\_\_\_, filed with the letter of \_\_\_\_\_,  
Nos. \_\_\_\_\_, filed with the letter of \_\_\_\_\_.
- ☐ the drawings, sheets/fig \_\_\_\_\_, as originally filed,  
sheets/fig \_\_\_\_\_, filed with the demand  
sheets/fig \_\_\_\_\_, filed with the letter of \_\_\_\_\_,  
sheets/fig \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

## 2. The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/fig \_\_\_\_\_

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the supplemental Box (Rule 70.2(c)).

## 4. Additional observations, if necessary:

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/SE98/01349

**V. Resoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. Statement**

Novelty (N)	Claims	<u>1-38</u>	YES
	Claims		NO
Inventive step (IS)	Claims	<u>1-38</u>	YES
	Claims		NO
Industrial applicability (IA)	Claims	<u>1-38</u>	YES
	Claims		NO

**2. Citations and explanations**

The claimed invention aims at establishing connections to and between Internet users including a cellular radio communication network for providing a short message service (SMS), and a server for facilitating the establishment of a telephony Internet connection between a mobile subscriber station and an Internet user. The system uses SMS to transfer, from the mobile to the server information identifying the Internet address for the user. The system transfers also from the server to the mobile information relating to the required connection between the mobile and the Internet.

The following documents were cited in The International Search Report:

D1: WO, A2, 9731498

D2: WO, A1, 9713382

D1 shows a data transmission system using a mobile telephone. The data transmission system dials a previously defined target number, which is dialled by a mobile station, which is directed to an intelligent network centre. The target number is decoded into data, which are sent to a company data system during the connection. The system transmits an acknowledgement during the connection as a voice message or as a GSM short message in a text format. The acknowledgement is sent either to the mobile station or to a desired pager unit. The intelligent network centre preferably uses the caller identification number to check whether the caller is entitled to use the service and also to check to which information system of which company the data has been sent.

.../...

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/SE98/01349

**Supplemental Box**

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: V.

D2 relates to a communication provision method especially to telecommunications terminal.

The method involves receiving a request for a page of data from a data terminal, which is connected to a data network at a data service node of the network. The request specifies at least one particular telecommunications terminal. A terminal status request is then sent from the data service node to a communications system which serves the particular telecommunications terminal. The terminal status request specifies the particular telecommunications terminal. A terminal status message containing information indicating a current status of the particular telecommunications terminal is received from the communications system at the data service node. A page of data indicating the current status of the particular telecommunications terminal is sent from the data servicing node to the data terminal. Upon selection of the icon, a communications request specifying the particular telecommunications terminal is received at the data service node. A communications origination request to originate communications between the particular telecommunications terminal and the other telecommunications terminal is sent from the data service node to the communications system.

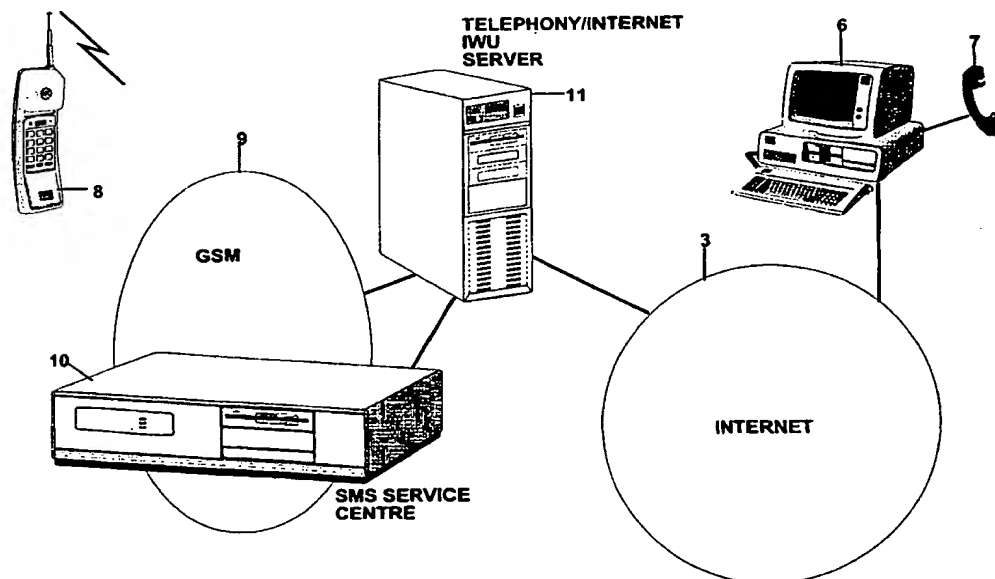
None of the above-mentioned discloses the special technical features of the invention, i.e. to enable a GSM subscriber to, make an Internet telephone call to an Internet user using SMS to transfer address information for an Internet user.



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>6</sup> : <b>H04Q 7/22, H04L 29/06, H04M 7/12 // 3/50</b>		<b>A1</b>	(11) International Publication Number: <b>WO 99/12365</b>
			(43) International Publication Date: 11 March 1999 (11.03.99)
(21) International Application Number: <b>PCT/SE98/01349</b>		(81) Designated States: EE, JP, LT, LV, NO, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).	
(22) International Filing Date: 8 July 1998 (08.07.98)			
(30) Priority Data: 9703121-5 29 August 1997 (29.08.97) SE		Published With international search report.	
(71) Applicant (for all designated States except US): <b>TELIA AB</b> (publ) [SE/SE]; Mårbackagatan 11, S-123 86 Farsta (SE).			
(72) Inventors; and			
(75) Inventors/Applicants (for US only): <b>HYLLANDER, Klas</b> [SE/SE]; Ruddammsvägen 41, 4tr, S-114 21 Stockholm (SE). <b>WINROTH, Mats, Olof</b> [SE/SE]; Lyckogången 4, S-135 54 Tyresö (SE).			
(74) Agent: <b>PRAGSTEN, Rolf</b> ; Telia Research AB, Corporate Patent Dept., Vitsandsgatan 9, S-123 86 Farsta (SE).			

(54) Title: COMMUNICATION SYSTEM INCLUDING MEANS FOR TRANSMITTING INTERNET ADDRESSES VIA SMS



## (57) Abstract

The invention provides a communication system, adapted to establish connections to, and between, Internet users, including a cellular radio communication network adapted to provide a short message service (SMS), and a server adapted to facilitate the establishment of a telephony/Internet connection between a mobile subscriber station of said network and an Internet user. SMS is used to transfer, from the mobile subscriber station to the server, information identifying the Internet address for the Internet user and, from the server to the mobile subscriber station, information relating to the required connection between the mobile subscriber station and the Internet user.



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EE	Estonia	LR	Liberia	SG	Singapore		

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 98/01349

## A. CLASSIFICATION OF SUBJECT MATTER

IPC6: H04Q 7/22, H04L 29/06, H04M 7/12 // H04M 3/50  
According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC6: H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	EP 0795991 A1 (HEWLETT-PACKARD COMPANY), 17 Sept 1997 (17.09.97), see the whole document --	1,18,35,36
A	WO 9731498 A2 (TELECOM FINLAND OY), 28 August 1997 (28.08.97), abstract, see the whole document --	1-38
A	WO 9713382 A1 (NORTHERN TELECOM LIMITED), 10 April 1997 (10.04.97), page 2, line 21 - page 5, line 2, abstract --	1-38
P,A	WO 9811744 A1 (NOKIA TELECOMMUNICATIONS OY), 19 March 1998 (19.03.98), abstract -- -----	1,18,35-36

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

## \* Special categories of cited documents:

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 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  
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 "P" document published prior to the international filing date but later than the priority date claimed

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"&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

1 December 1998

03 -12- 1998

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/SE 98/01349

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
EP	0795991	A1	17/09/97	JP	10056508 A	24/02/98
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WO	9731498	A2	28/08/97	AU	1797997 A	10/09/97
				FI	960760 A	21/08/97
				NO	983780 D	00/00/00
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WO	9713382	A1	10/04/97	AU	6982596 A	28/04/97
				CA	2228682 A	10/04/97
				EP	0852884 A	15/07/98
-----						
WO	9811744	A1	19/03/98	AU	4304197 A	02/04/98
				EP	0861565 A	02/09/98
				FI	963659 A	17/03/98
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